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SixtySec*

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minimum scales where physics ends:*

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Numerical simulation of a heavy black-  
hole merger with horizon deformation

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Explosion  
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The Fresnel Zone explained *Two Black  
Holes Merge into One Low-Sidelobe  
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Direct Numerical Simulation of

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Flows - Jefferson M. Davis *Lorenz*

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*Modeling Charts (#110)* **Direct**

**Numerical Simulation of the flow inside**

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**an internal combustion engine using  
Nek5000 [CFD] What Wall Functions Do  
I Need for Epsilon? ~~Numerical Simulation  
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Abstract. Numerical simulations of the sediment-air-water buoyant jet released through the hopper dredgers' overflow shaft have been performed. The release of

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Explosion  
sediments into the marine environment due to skimming the excess water from the dredging vessel's hopper can lead to increased turbidity and adverse effects on the adjacent environment. Base-case simulations have been validated using in situ field observations.

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~~Numerical Simulation of Near-Field  
Explosion Dredging Plumes ...~~

Numerical Simulation of Near-Field  
Explosion Ding-Shing Cheng<sup>1</sup>, Cheng-  
Wei Hung<sup>2</sup> and Sheng-Jung Pi<sup>2\*</sup> 1

Department of Environmental Information  
and Engineering, Chung Cheng Institute of  
Technology, National Defense University,

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Tauyuan County, Taiwan, R.O.C. 2

School of Defense Science, Chung Cheng  
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University, Tauyuan County, Taiwan,  
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Numerical simulation of near-field fluorescence correlation spectroscopy using a fiber probe A finite-difference time-domain method was employed to calculate the electric field distribution in the vicinity of the NSOM aperture and the Brownian motion of nanoparticles was

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reproduced by a Monte Carlo simulation.

## ~~Numerical Simulation Of Near Field Explosion~~

Numerical simulation of fluorescence correlation spectroscopy (FCS) based on near-field scanning optical microscopy (NSOM) was performed. A finite-



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~~Explosion~~ difference time-domain method was employed to calculate the electric field distribution in the vicinity of the NSOM aperture and the Brownian motion of nanoparticles was reproduced by a Monte Carlo simulation.

~~Numerical simulation of near-field~~

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~~fluorescence ...~~

The results showed that LS-DYNA can predict near-field explosion. Furthermore, using LS-DYNA Mapping 2D to 2D technology can effectively increase the numerical model size of which scaled distance...

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If properly validated, numerical simulations could be employed to estimate near-field HRTFs: the present study aims to validate the usage of wave-based simulations in the near-field. A thorough validation study is designed where various sources of error

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Explosion are investigated and controlled.

~~Numerical simulations of near-field head-related transfer ...~~

@article{Decrop2015NumericalSO,  
title={Numerical Simulation of Near-Field Dredging Plumes: Efficiency of an Environmental Valve}, author={B.

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~~Explosion~~  
Decrop and T. Mulder and E. Toorman  
and M. Sas}, journal={Journal of  
Environmental Engineering},  
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There is a growing interest in numerical solution of near-field thermal radiation problems in arbitrary geometries due to numerous potential applications in imaging, power generation and thermal management. Finite-difference time-domain and finite-difference frequency-domain approaches have been used for

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~~Numerical simulation of near field thermal  
radiation using ...~~

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Simulation of Near Field and Far Field  
Brine Discharge from Desalination Plants  
( A Case Study in Persian Gulf ) @inproce



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edings {Mazyak2018NumericalSO,  
title={Numerical Simulation of Near Field  
and Far Field Brine Discharge from  
Desalination Plants ( A Case Study in  
Persian Gulf )}, author={Ahmad Rezaee  
Mazyak and M. Shafieefar and A.  
Shafieefar}, year={2018} }

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~~Figure 10 from Numerical Simulation of  
Near Field and Far ...~~

Simulation of near-field and far-field effects with JWL equations. To study near-field and far-field intricate effects of explosion in underwater one must have knowledge of the typical explosives in terms of their characteristics and equation

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Explosion of state for propagation of detonation products used.

~~Study on JWL equation of state for the numerical ...~~

ABSTRACT. A numerical simulation method based on the Ffowcs-Williams and Hawkings model is employed to predict

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Explosion  
the mechanisms of the near-field  
aerodynamic noise distribution  
characteristics of an adjustable-blade axial-  
flow fan with different installation angles  
of moving blades ( ?? ). The simulated  
results reveal that with ?? changing from  
?12° to 12°, the changing curves of the  
maximum total sound pressure level (

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MTSPL) at the tip clearance region (A region), the leading edge ...

~~Numerical simulation on near-field  
aerodynamic noise of an ...~~

Numerical simulation of electromagnetic  
propagation in super-resolution near-field  
structure Super-resolution near-field

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Explosion structure (Super-RENS),  
glass/SiN/Sb/SiN, a promising structure  
for near field ultrahigh-density optical  
storage, has been proposed and  
investigated since 1998.

~~Numerical Simulation Of Near Field  
Explosion~~

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~~Explosion~~ Direct numerical simulation of the near-field dynamics of annular gas-liquid two-phase jets. / Siamas, George A.; Jiang, Xi; Wrobel, Luiz C. In: Physics of Fluids ...

~~Direct numerical simulation of the near-field dynamics of ...~~

Spatial direct numerical simulation (DNS)

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**Explosion** is used to study the near field dynamics of a buoyant diffusion flame established on a rectangular nozzle with an aspect ratio of 2:1. Combustion is represented by a one-step finite-rate Arrhenius chemistry.

Without applying external perturbations at the inflow boundary, large vortical structures develop naturally in the flow



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~~Direct numerical simulation of the near  
field dynamics of ...~~

Numerical simulation of image formation  
in near-field optical microscopy Baiburin,  
Vil B.; Avetisyan, Yuri A.; Krasnikova,  
Irina V. 2002-05-17 00:00:00

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**ABSTRACT** Numerical simulation of image formation in near field optical microscopy is needed to understand a relationship between near field images and actual structure of sample since the image can be differs strongly from real structure. In order to estimate the near field image formation, two different approaches are

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Explosion used, namely numerical ...

~~Numerical simulation of image formation  
in near field ...~~

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Processes Using the SSG/LRR-  $\omega$   
Model 29 March 2016 Numerical and  
experimental investigation of the mean

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and turbulent characteristics of a wing-tip  
vortex in the near field

~~Numerical Simulations of a Wingtip  
Vortex in the Near Field~~

Numerical simulation of hydrodynamics  
and heat transfer under conditions of  
turbulent transverse flow past a ?trench?

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Explosion on a plane surface High Temperature, Vol.  
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Decay

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